

Tools and Materials Required

- Access to a tap
- A packet of party balloons (15-30 balloons per ball – not suitable for children who are still putting objects in their mouths)
- Scissors
- Two sets of hands!



Directions

- Carefully fill the balloon with water until it fits neatly in the palm of your hand.
- Standing over the sink, pinch the neck of the balloon, and then tie a knot. Make sure there isn't any air in the balloon before you tie.
- Trim the neck of the balloon. Be careful to leave a little room above the knot so it doesn't come undone later.
- Cut the neck off the rest of your balloons.
- Stretch each balloon and put the water filled balloon inside, then stretch out what is left of the neck and cut it so that where it snaps back there is no neck left. You may need help with this, it can be tricky!
- Repeat this process until you have made at least 15 layers. For a really bouncy ball use 30 layers.
- To ensure an even shape, turn the ball each time you wrap a balloon around it, so that it doesn't have any weak points.

STEM Facts

When an object collides with something hard, its shape alters. For example if an object hits a wall, the side in contact with the wall will become flat. But, if the material used to make a ball is elastic (like a nice stretchy balloon), the ball will return to its original shape, causing it to bounce. The more elastic the material, the bigger the bounce.

Notes

- Cutting should be done by an adult or under adult supervision.
- Use of this toy should be supervised to avoid damage to surroundings.